

IS : 5632 - 1970

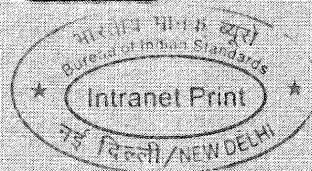
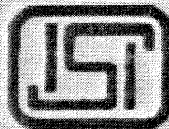
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Indian Standard
SPECIFICATION FOR
WOLFRAMITE CONCENTRATE

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MANAK BHAVAN, 9 BAHADUR SHAH ZAFAR MARG
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SPECIFICATION FOR WOLFRAMITE CONCENTRATE

0. FOREWORD

0.1 This Indian Standard was adopted by the Indian Standards Institution on 30 May 1970, after the draft finalized by the Ferro Alloys Sectional Committee had been approved by the Structural and Metals Division Council.

0.2 Wolframite concentrate is the basic raw material used for the production of ferrotungsten.

0.3 This standard contains clauses **3.1**, **4.1**, **5.1** and **7.1** which call for agreement between the purchaser and the supplier.

0.4 For the purpose of deciding whether a particular requirement of this standard is complied with, the final value, observed or calculated, expressing the result of a test or analysis, shall be rounded off in accordance with IS: 2-1960*. The number of significant places retained in the rounded off value should be the same as that of the specified value in this standard.

1. SCOPE

1.1 This standard covers the requirements for wolframite concentrate used in the ferro alloy industry.

2. SUPPLY OF MATERIAL

2.1 General requirements relating to the supply of wolframite concentrate shall be as laid down in IS: 1387-1967†.

3. CHEMICAL COMPOSITION

3.1 The material shall comply with the following requirements:

<i>Constituent</i>	<i>Percent</i>
Tungsten oxide	65.0, <i>Min</i>
Phosphorus	0.05, <i>Max</i>

*Rules for rounding off numerical values (*revised*).

†General requirements for the supply of metallurgical materials (*first revision*).

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<i>Constituent</i>	<i>Percent</i>
Arsenic	0·1, <i>Max</i>
Antimony	0·1, <i>Max</i>
Bismuth	0·1, <i>Max</i>
Tin	0·1, <i>Max</i>
Sulphur	0·05, <i>Max</i>
Copper	0·05, <i>Max</i>
Silica	3·0, <i>Max</i>
Manganese oxide	10·0 to 15·0

NOTE — Till an Indian Standard on the methods of chemical analysis of wolframite concentrate is published, the determination of chemical constituents shall be as agreed to between the purchaser and the supplier.

4. FORM AND SIZE

4.1 The form of material and size shall be as agreed to between the purchaser and the supplier.

5. PACKING

5.1 The material shall be supplied packed in suitable containers in quantities mutually agreed to between the purchaser and the supplier.

6. MARKING

6.1 The material shall be marked with supplier's name or trade-mark.

6.1.1 The material may also be marked with the ISI Certification Mark.

NOTE — The use of the ISI Certification Mark is governed by the provisions of the Indian Standards Institution (Certification Marks) Act, and the Rules and Regulations made thereunder. Presence of this mark on products covered by an Indian Standard conveys the assurance that they have been produced to comply with the requirements of that standard, under a well-defined system of inspection, testing and quality control during production. This system, which is devised and supervised by ISI and operated by the producer, has the further safeguard that the products as actually marketed are continuously checked by ISI for conformity to the standard. Details of conditions, under which a licence for the use of the ISI Certification Mark may be granted to manufacturers or processors, may be obtained from the Indian Standards Institution.

7. SAMPLING

7.1 The material shall be sampled as agreed to between the purchaser and the supplier.